

File No. \_\_\_\_\_

T. 16N R. 33E

County Garfield

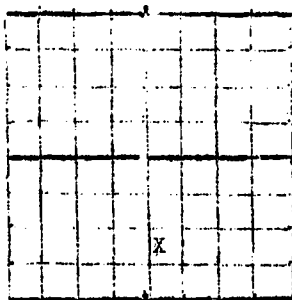
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT PERMIT  
and  
DECLARATION OF VESTED GROUNDWATER RIGHTS  
(Under Chapter 237 Montana Session Laws, 1961)

RECEIVED  
OCT 21 1962  
STATE ENGINEER

1. Gladys L. Kreider Sand Springs  
(Name of Appropriator) (Address) (Town)

County Garfield State of Montana  
have appropriated groundwater according to the Montana Laws in effect prior to  
January 1, 1962, as follows:



SW 1/4 Sec. 22 T. 16N R. 33E

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based  
Stock water

3. Date or approximate date of earliest beneficial  
use; and how continuous the use has been  
since 1912

4. The amount of groundwater claimed (in miner's in-  
ches or gallons per minute)  
twelve (12) gallons per minute

5. If used for irrigation, give the acreage and de-  
scription of the lands to which water has been ap-  
plied and the name of the owner thereof  
none

6. The means of withdrawing such water from the ground  
without a well and the location of each means of  
withdrawal  
none

7. The date of commencement and completion of the development works for withdrawal of  
groundwater: Cleaned several times, last time in 1960.

8. Quantity of water developed and used with explanation of method used to measure or  
estimate such amount. If use is intermittent estimate approximate lengths of period  
of use: About seven (7) months through summer. No measurements taken.

9. So far as it may be available, the type, size and depth and general specifications  
of any works for the withdrawal of groundwater  
none

10. The estimated amount of groundwater withdrawn each year 150,000 gallons per year

11. Such other information of a similar nature as may be useful in carrying out the  
policy of this act, including reference to book and page of any county record  
none.

Signature of Owner Gladys L. Kreider

Date 10-9-63

STATE OF MONTANA  
County of Cascade } ss.

Gladys L. Kreider having first been duly sworn,  
depose s and say s that she is of lawful age and 14  
the appropriator \_\_\_\_\_ and claimant \_\_\_\_\_ of the order and water right  
mentioned in the foregoing notice of completion of groundwater appropriation  
without well and declaration of vested groundwater rights and the person \_\_\_\_\_  
whose name is \_\_\_\_\_ subscribed thereto, as the appropriator \_\_\_\_\_  
and claimant \_\_\_\_\_, that she know s the contents of said foregoing  
notice and that the matters and things therein stated are true.

Gladys L. Kreider  
Gladys L. Kreider

Subscribed and sworn to before me, this: 9<sup>th</sup> day of October.

1963

R. J. [Signature]  
Notary Public for the State of Montana.  
Residing at Great Falls, Montana  
My commission expires Jan 11, 1965

101

124033

STATE OF MONTANA }  
County of Garfield

Filed in the office of the County Clerk and  
Recorder of Garfield County, State of Montana,  
this 16th day of October

A. D. 1963 at 4:25 o'clock P. M.

Charles E. Pangburn  
County Clerk and Recorder

By \_\_\_\_\_ Deputy

Fees Paid \$ 2.00

CLP  
F. O. O. CLP

TO, COMMISSIONER OF THE STATE OF MONTANA  
FROM, THE COUNTY CLERK OF GARFIELD COUNTY  
FOR THE YEAR OF 1963

File No. ....

DUPLICATE

T. 16N R. 33E

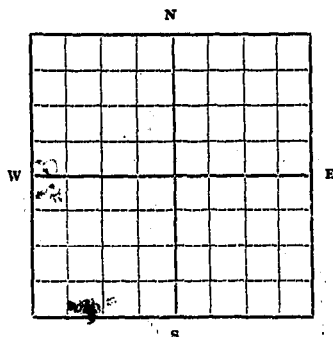
County. Garfield

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

**Declaration of Vested Groundwater Rights**  
(Under Chapter 237, Montana Session Laws, 1961)

**RECEIVED**  
OCT 21 1963  
**STATE ENGINEER**

1. Gladys L. Kreider of Sand Springs  
(Name of Appropriator) (Address) (Town)  
County of Garfield State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 NW 1/4 Sec. 28 T. 16 R. 33 East

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Stock Water;
3. Date or approximate date of earliest beneficial use; and how continuous the use has been November 1959 (continuously)
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 gallons per minute;
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Propane Engine Pump;
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Commenced July 22, 1959, finished July 25, 1959. Well was drilled by McConnell Bros. of Roundup, Montana
8. The depth of water table Well depth is 120 feet - water rises to within 20 feet of top;
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Well depth, 120 feet; 8" - 6" casing; 2" pipe.
10. The estimated amount of groundwater withdrawn each year 800,000 gallons
11. The log of formations encountered in the drilling of each well if available Quick sand and gravel 30' blue shale with streak of coal at 80 feet - water 110 feet, shale bottom at 120 feet.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Belonged to John Eich when drilled, but was under lease to undersigned with option to purchase and option has now been exercised.

Signature of Owner Gladys L. Kreider

Date 10-9-63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

6513

84

124016

STATE OF MONTANA }  
County of Garfield }

Filed in the office of the County Clerk and  
Recorder of Garfield County, State of Montana,  
this 16th day of October

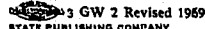
A. D. 1923 at 3:30 o'clock P. M.

Charles E. Langston  
County Clerk and Recorder

By \_\_\_\_\_ Deputy

Fee Paid \$2.00

CD  
CD



STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

MONTANA WATER RESOURCES BOARD

County GAYFIELD 32

### DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

# NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

**Developed after January 1, 1962**

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state; otherwise the form may be returned.

Owner: Don Gassch

Address SAND SPRING

North.

Date well started 9-8-71

completed 9-10-71

Type of well drilled

(Dug, driven, bored or drilled)

Equipment used notary

(Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

Industrial ☐ Drainage ☐ Other ☐\* Garden/Lawn ☐

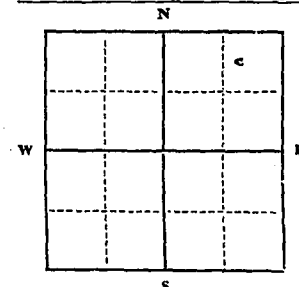
**\*Describe**

**USE:** If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block

and Addition).

## ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
1 1/4 in	180' plastic	1	230	holes	160	230
	50' steel					
	4 in					
	9 1/2 lb.					



Static water level 102 ft.\*

Pumping water level 135 ft.\*

at 6 gallons per minute,

measured .....minutes after pumping  
began.

\*Measured from ground-level.

We'll developed by Person

for 5 hours.

Power..... Pump 1/2 HP

Remarks: (Gravel packing, cementing,

packers, type of shutoff) . . . . .

NE  $\frac{1}{4}$  NE  $\frac{1}{4}$  Sec. 32

T. 16 N R. 33 E

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE.  
EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature \_\_\_\_\_

Driller's Address

LICENSE NO. 29

Top of Ground (Elev. above sea level) \_\_\_\_\_

From (Feet)	To (Feet)	
1	25	clay
25	30	SAND ROCK
30	85	shale
85	89	rock
89	140	shale
140	150	rock
150	163	shale
163	167	rock
167	195	shale
195	210	SAND
210	230	shale

[illegible]

230 Show exact depth of bottom

49176

136777

871

FILED IN THE OFFICE OF THE  
County of Garfield

Filed in the office of the County Clerk and  
Recorder of Garfield County, State of Montana  
this 29 day of Sept

A. D. 19 21 at 3:45 o'clock P M.

Charles E. Mangum  
County Clerk and Recorder

By Robert T. Heston  
Deputy

Fee Paid 2.00

GW

File No. ....

DUPLICATE

RECEIVED

Approved/Stock Form—State Publishing Co., Helena, Montana—42234

JUN 12 1964

T. 16 N. R. 33 E.

County GARFIELD

STATE OF MONTANA  
STATE ENGINEER  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 6 1964

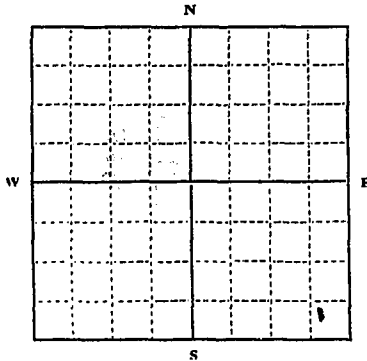
## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. DON N. GASSER, of SAND SPRINGS  
(Name of Appropriator) (Address) (Town)

County of GARFIELD State of MONTANA  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec. 33 T. 16 R. 33

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based STOCK WATER

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1957 CONTINUOUS

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 GPM

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal WINDMILL

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1957

8. The depth of water table 20 ft and 70 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater DRILLED 6" 80 ft

10. The estimated amount of groundwater withdrawn each year 1,450,000 G

11. The log of formations encountered in the drilling of each well if available N.A.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner Don N. Gasser

Date 29 DEC 63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

23332

418  
125075

STATE OF MONTANA  
County of Garfield

Filed in the office of the County Clerk and  
Recorder of Garfield County, State of Montana,  
this 30 day of Dec  
A. D. 1963 at 10:34 o'clock A. M.  
Charles E. Pangborn  
County Clerk and Recorder

Marion K. Jones  
Notary Public  
2.00

INDEXED  
FILED

File No. ....

T. 16 N. R. 33 E.

DUPLICATE

County .....

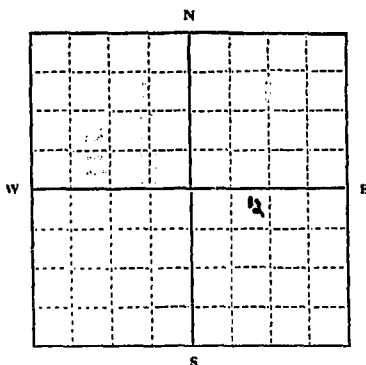
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 6 1964

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. DON N GASSER, of SAND SPRINGS  
(Name of Appropriator) (Address) (Town)  
County of GARFIELD State of MONTANA  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 Sec. 34 T. 16 R. 33

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based STOCK WATER AND HOUSEHOLD
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Well no 1: continuous since 1911  
Well no. 2: continuous since 1959
4. The amount of groundwater claimed (in miner's inches or gallons per minute) Well no. 1: 10 GPM or 100 head of cows  
Well no 2: 12 GPM or 120 "
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Well no 1: Wind Mill and Electric PUMP JACIE. Well no 2: Jet Pump with PRESSURE TANK
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Well no 1: 1911  
Well no 2: May 5, 1959 - May 15, 1959
8. The depth of water table no 1: 20 ft. no 2: 160 ft. and 128 ft.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater no 1: DUG, 18" GALV. CULVERT CASING 25 ft DEEP  
no 2 DRILLED 6" 160 ft DEEP
10. The estimated amount of groundwater withdrawn each year no 1. 450,000 G. no 2. 450,000 G.
11. The log of formations encountered in the drilling of each well if available no 2: 0-25 SAND AND GRAVEL 45 GRAY SHALE 50 COAL 90 SHALE 93 COAL  
110 SHALE 112 HARD SAND 120 SHALE 128 SAND (WATER)  
138 SHALE 160 SAND (WATER) TO 160
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner

Don N. Gasser

Date 29 Dec 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

23333

419  
125076

STATE OF MONTANA  
County of Garfield

Filed in the office of the County Clerk and  
Recorder of Garfield County, State of Montana,  
this 30 day of Dec.

A. D. 1917 at 10:35 o'clock A M.

Charles E. Thompson  
County Clerk and Recorder

By Marion R. Jones  
Deputy

Fee Paid \$2.00

INDEXED mf

FILED 125076

File No. \_\_\_\_\_

T. 16N

R. 33E

County Garfield

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT

and

DECLARATION OF VESTED GROUNDWATER RIGHTS

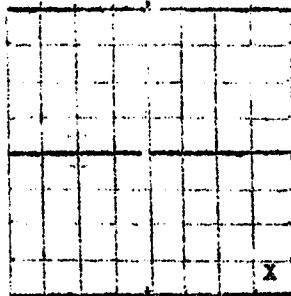
(Under Chapter 237 Montana Session Laws, 1961)

RECEIVED  
OCT 21 1963  
STATE ENGINEER

1. Gladys L. Kreider Sand Springs  
(Name of Appropriator) (Address) (Town)

County Garfield State of Montana

have appropriated groundwater according to the Montana Laws in effect prior to January 1, 1962, as follows:



SE Sec 34 T16N R 33E

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based  
Stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been  
Approximately 1900 or earlier

4. The amount of groundwater claimed (in miner's inches or gallons per minute)  
twenty (20) gallons per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and the name of the owner thereof  
none

6. The means of withdrawing such water from the ground without a well and the location of each means of withdrawal  
open spring

7. The date of commencement and completion of the development works for withdrawal of groundwater  
Cleaned several times, last date 1961.

8. Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of period of use; Use is year around for up to 100 head of cattle.

9. So far as it may be available, the type, size and depth and general specifications of any works for the withdrawal of groundwater  
Water Cattle drink from open water otherwise pumped into tank wagon.

10. The estimated amount of groundwater withdrawn each year  
800,000 gallons per year

11. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record  
none

Signature of Owner Gladys L. Kreider

Date 10-9-63

6531

STATE OF MONTANA }  
County of Cascade } ss.

Gladys L. Kreider having first been duly sworn,  
deposes s and say s that she is of lawful age and is  
the appropriator                      and claimant            of the order and water right  
mentioned in the foregoing notice of completion of groundwater appropriation  
without well and declaration of vested groundwater rights and the person             
whose name                      is            subscribed thereto, as the appropriator             
and claimant           , that she knows            the contents of said foregoing  
notice and that the matters and things therein stated are true.

Gladys L. Kreider  
Gladys L. Kreider

Subscribed and sworn to before me, this 9<sup>th</sup> day of October,

1963

D. J. Selders  
Notary Public for the State of Montana.  
Residing at Great Falls, Montana  
My commission expires Jan 11, 1965

102

124034

STATE OF MONTANA  
County of Garfield

Filed in the office of the County Clerk and  
Recorder of Garfield County, State of Montana,  
this 16th day of October

A. D. 1963 at 4:30 o'clock P. M.

Charles E. Hargrave  
County Clerk and Recorder

By \_\_\_\_\_ Deputy

Fees Paid \$ 2.00

16th  
1963

## GROUNDWATER INDEX

Page 1 of 1

County Garfield Twp. 167 Rge. 346

Sec.	Name of Appropriator	Type of Form	County File No.	Remarks
1	Bliss, Kenneth	GW 2	139514	
14	Drake, Leattle, Company	494	125284	
17	Bozzani, Robert A.	494	124894	
19	LaParague, Leach, Inc.	492	134237	
21	Kreider, Gladys A.	494	124032	
22	Drake, Leattle, Company	494	125280	
+	<del>Bliss, Kenneth</del>	<del>GW 2</del>	<del>139514</del>	

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

55682

File No. ....

T. 16 N. R. 34 E. 14

DUPLICATE

County Garfield

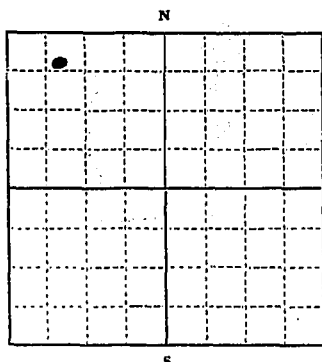
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 6 1964

Declaration of Vested Groundwater Rights ENGINEER  
(Under Chapter 237, Montana Session Laws, 1961)

1. Hooker Cattle Co., of Jordan  
(Name of Appropriator) (Address) (Town)

County of Garfield State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N.W. 1/4 E.W. Sec. 14, T. 16, R. 34.

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Nov. 4, 1956  
12 Months a year

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 8 gallons per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
none

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Windmill or gas motor

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Nov. 4, 1956

8. The depth of water table 102 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 13 ft. dia. 6 inch casing Cased to the bottom

10. The estimated amount of groundwater withdrawn each year 256,000 gallons year

11. The log of formations encountered in the drilling of each well if available not available

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none

Signature of Owner

John R. Hooker  
Date December 26, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

E. 625

125284

STATE OF MONTANA }  
County of Garfield }

Filed in the office of the County Clerk and  
Recorder of Garfield County, State of Montana,  
this 31 day of Dec

A. D. 19 63 at 10<sup>00</sup> o'clock A. M.

Charles E. Pangburn  
County Clerk and Recorder

By Marion K. Damm  
Deputy

Fee Paid \$ 2.00

INDEXED mj

FILED cs

File No. ....

DUPLICATE

County .....

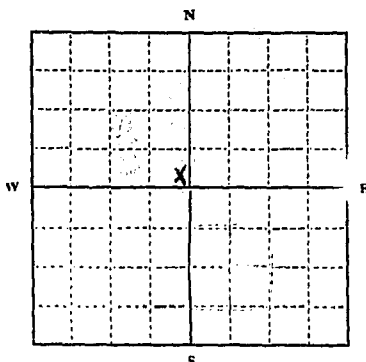
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 30 1963

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Robert H. Cozzens, of Box 36 Coburn  
(Name of Appropriator) (Address) (Town)  
County of Herfield State of Mont.  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



$\frac{1}{4}$  Sec. 17 T. 16 R. 34

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based stock water.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Dec. 1956 used every winter from Dec 1 to April 1 at 100 cows per winter.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 6 or 7 gal. per min.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof none

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pump jack & motor

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Dec. 1956

8. The depth of water table 12 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater dug & cased with wood. 8 x 8 square 13 ft deep

10. The estimated amount of groundwater withdrawn each year no idea

11. The log of formations encountered in the drilling of each well if available sandy soil & gravel sand at the bottom

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner Robert H. Cozzens

Date Dec. 21, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quaduplicate for the Appropriator.

14733

279

124394

STATE OF MONTANA }  
County of Garfield }

Filed in the office of the County Clerk and  
Recorder of Garfield County, State of Montana,  
this 26 day of Dec.

A. D. 1963 at 8:55 clock A M.

Charles E. Thompson  
County Clerk and Recorder

By Marion A. Janer  
Deputy

Fee Paid \$2.00

INDEXED mj  
FILED 10/22

File No. ....

MONTANA WATER RESOURCES BOARD  
**RECEIVED**

T. 16 R. 34E

DUPLICATE

County Harold

SEP 18 1969

LOG

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
STATE WATER CONSERVATION BOARD**Notice of Completion of Groundwater  
Appropriation by Means of Well**  
DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

Top of Ground  
0-2 Clay  
(Elev. above sea level.....)  
2-26 Yellow Sand Rock  
26-28 Rock  
28-56 Yellow Sand  
56-84 Blue Shale  
84-114 Blue Shale  
114-143 Blue Shale  
143-146 Rock  
146-260 Blue Shale Coal Strata  
260-262 Rock  
262-294 Blue Shale Coal Strata  
294-300 Blue Sand  
300-385 Blue Shale Coal Strata  
385-400 Blue Sand  
400-420 Blue Shale  
420-475 Blue Sand  
475-486 Blue Shale

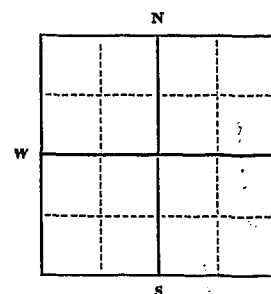
Owner Charargus Ranch Inc. Address Sand Springs Mont.Driller Diane Drilling Service Address Jordan Mont.

Date of Notice of appropriation of groundwater.....

Date well started 5-10-69 Date completed 5-15-69Type of well Drilled Equipment used Rotary  
(Dug, driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐  
Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

D. of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	4" 4 1/2"	0	383	Slotted 1/4 x 1/4 inch	426	486
5 5/8"	3 inch 8 lb.	383	486			

Static Water Level for non-flowing well  
..... 200 feet.

Shut-in Pressure for Flowing Well.....

Pumping Water Level..... 262 feet  
at..... 5 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Pumping with airLength of Test 1 hr.Remarks: (Gravel packing, cementing, packers, type of shutoff) rubber packer

lot 3 14  
1/4 Sec. 14 T. 16 R. 34 E  
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

Show exact depth of bottom.

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Driller's License Number

Driller's Signature

45646

840

134237

Charangus Ranch Inc. to Public The

STATE OF MONTANA }  
County of Garfield }

Filed in the office of the County Clerk and  
Recorder of Garfield County, State of Montana  
on 17 day of Sept

1969 at 11:00 o'clock A.M.  
Charles E. Pangburn  
County Clerk and Recorder

Diphia E. Armstrong  
Deputy

200

GW 4

File No. \_\_\_\_\_

T 16N R 34E

County Garfield

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL  
and

DECLARATION OF VESTED GROUNDWATER RIGHTS  
(Under Chapter 237 Montana Session Laws, 1961)

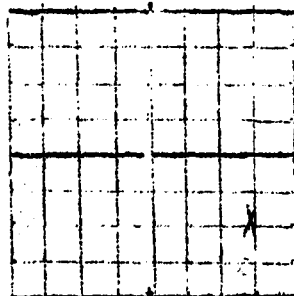
RECEIVED  
OCT 21 1963

STATE ENGINEER

1. Gladys L. Kreider Sand Springs \_\_\_\_\_  
(Name of Appropriator) (Address) (Town)

County Garfield State of Montana

have appropriated groundwater according to the Montana Laws in effect prior to January 1, 1962, as follows:



SE 1 SE 21 T 16N R 34E  
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based  
Stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.  
1930

4. The amount of groundwater claimed (in miner's inches or gallons per minute)  
Five (5) gallons per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and the name of the owner thereof  
none

6. The means of withdrawing such water from the ground without a well and the location of each means of withdrawal  
none

7. The date of commencement and completion of the development works for withdrawal of groundwater; Cleaned out last time in 1960

8. Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of period of use; Small pool, used summer months

9. So far as it may be available, the type, size and depth and general specifications of any works for the withdrawal of groundwater none

10. The estimated amount of groundwater withdrawn each year 75,000 gallons per year

11. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record  
none

Signature of Owner Gladys L. Kreider

Date 10-9-63

6529

STATE OF MONTANA

County of Cascade

} ss.

Gladys L. Kreider

having first been duly sworn,

deposes and says that she is of lawful age and is

the appropriator                      and claimant            of the order and water right

mentioned in the foregoing notice of completion of groundwater appropriation

without well and declaration of vested groundwater rights and the person           

whose name is                      subscribed thereto, as the appropriator           

and claimant           , that she know s the contents of said foregoing

notice and that the matters and things therein stated are true.

Gladys L. Kreider  
Gladys L. Kreider

Subscribed and sworn to before me, this 9<sup>th</sup> day of October,

1963

J. D. Burdette  
Notary Public for the State of Montana.  
Residing at Great Falls, Montana  
My commission expires Jan 11, 1965



File No. ....

T. 16 N R. 34 E

DUPLICATE

County Garfield

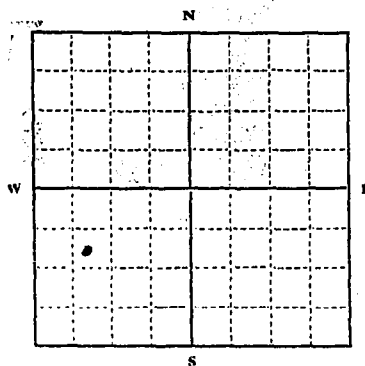
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 8 1964

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Hooker Cattle Co., of Jordan  
(Name of Appropriator) (Address) (Town)  
County of Garfield State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S.W. 1/4 S.E. Sec. 22 T. 16. R. 34.

Indicate point of appropriation  
and place of use, if possible. Each  
small square represents 10 acres.

2. The beneficial use on which the claim is based Stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Sept. 20, 1954
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof none
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Windmill or gas motor
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Sept. 20, 1954
8. The depth of water table 98 ft.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 110 ft. deep 4 inch casing Cased to the bottom
10. The estimated amount of groundwater withdrawn each year 3-5,000 gallons per year
11. The log of formations encountered in the drilling of each well if available not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none

Signature of Owner

Date December 26, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

23537

621

125280

STATE OF MONTANA  
County of Carbon

Filed in the \_\_\_\_\_ of the County Clerk's Office  
Recorder of Carbon County, State of Montana,  
this \_\_\_\_\_ day of \_\_\_\_\_

A. D. 19 63 at 10 o'clock A.M.  
Charles E. Thompson  
County Clerk and Recorder

By Marion H. Tanner  
Deputy

Fee Paid \$ 2.00

INDEXED mj

FILED cap

## GROUNDWATER INDEX

Page 1 of 1

County Garfield Twp. 16th Rge. 35th

[illegible]

File No. ....

T 16 N R 35E

DUPLICATE

County Garfield

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

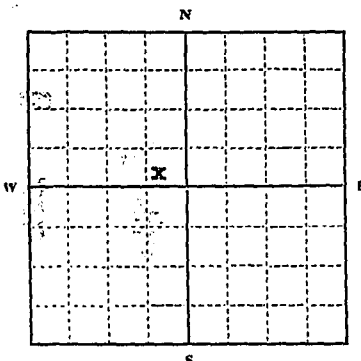
RECEIVED  
DEC 30 1963

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Haislett, Incorporated, of Jordan, Montana  
(Name of Appropriator) (Address) (Town)  
County of Garfield State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 SW Sec. 4 T16 R. 35

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based Stock water3. Date or approximate date of earliest beneficial use; and how continuous the use has been 19304. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 gallon per minute5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
none6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pump and electric motor7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 19308. The depth of water table 35 feet9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater well is 45 feet deep10. The estimated amount of groundwater withdrawn each year 50,000 gal.11. The log of formations encountered in the drilling of each well if available not available12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record NONE

Signature of Owner

Ward B. Haislett

Date Dec 19, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triuplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

14676

222

124825

STATE OF MONTANA }  
County of Garfield

Filed in the office of the County Clerk and  
Recorder of Garfield County, at  
this 19 day of Dec.

A. D. 1963 at 3:45 o'clock P.

Charles E. Langham  
County Clerk and Recorder

By Marian B. Camer  
Deputy

Fee \$25 2.00

ml  
INDEXED  
lys  
FILED

GVA

4

File No. ....

T 16 N R 35 E

DUPLICATE

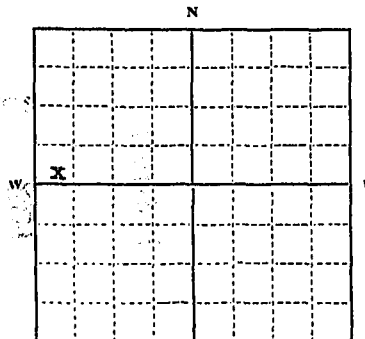
County Garfield

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 30 1963

Declaration of Vested Groundwater Rights  
(Under Chapter 237, Montana Session Laws, 1961)

1. Haislett, Incorporated, of Jordan, Montana  
(Name of Appropriator) (Address) (Town)  
County of Garfield State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Lot 12 4 16 35  
1/4 Sec. T. R.

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based Household and stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1928, in use since 1928
4. The amount of groundwater claimed (in miner's inches or gallons per minute) ten gal. per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof not used
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pump and electric motor

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1928
8. The depth of water table 80 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Well is 125 feet deep
10. The estimated amount of groundwater withdrawn each year 35,000 gal.
11. The log of formations encountered in the drilling of each well if available Not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none

Signature of Owner

*Ward B. Haislett*

Date Dec 19 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriation.

14675

221

124824

STATE OF MONTANA  
County of Garfield

Filed in the office of the County Clerk and  
Recorder of Garfield County, State of Montana,  
this 19 day of Dec.

A. D. 1963 at 3:40 o'clock P. M.

Charles E. Langham  
County Clerk and Recorder

By Mervin R. James  
Deputy

Geo. Felt 2.00

INDEXED mf  
FILED mf

1963

DEC 20

RECEIVED  
DEC 20 1963

File No. ....

T. 16 N. R. 35

DUPLICATE

County. Garfield

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

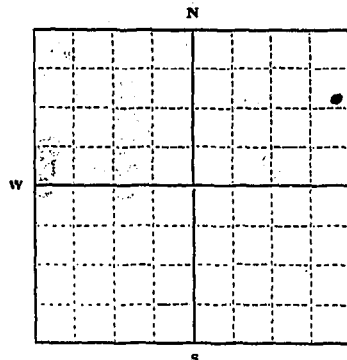
RECEIVED  
JAN 6 1964  
STATE ENGINEER

Declaration of Vested Groundwater Right

(Under Chapter 237, Montana Session Laws, 1961)

I, Hooker Cattle Co., of Jordan  
(Name of Appropriator) (Address) (Town)

County of Garfield State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S. 24 N. E. Sec. 10 T. 16 R. 35

Indicate point of appropriation  
and place of use, if possible. Each  
small square represents 10 acres.

2. The beneficial use on which the claim is based. Stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. July 1, 1958
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 10 Gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. none
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Windmill or gas motor
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. July 1, 1958
8. The depth of water table. 85 ft.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. 100 ft. deep 4 inch casing cased to the bottom
10. The estimated amount of groundwater withdrawn each year. 256,000 gallons
11. The log of formations encountered in the drilling of each well if available. not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. none

Signature of Owner

John R. Hooker  
Date December 26, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

23536

620

125279

STATE OF MONTANA }  
County of Garfield }

Filed in the \_\_\_\_\_ of the County Clerk and  
Recorder of Garfield County, State of Montana,  
this \_\_\_\_\_ day of \_\_\_\_\_

A. D. 19\_\_\_\_ at \_\_\_\_\_ o'clock \_\_\_\_\_ M.

Charles E. Langston  
County Clerk and Recorder

By Marshall H. Lane  
Deputy

Fee Paid \$ 2.00

INDEXED mf  
FILED cap

GV

Approved Stock Form—State Publishing Co., Helena, Montana—41338

File No. ....

T. 16 N. R. 35 E

DUPLICATE

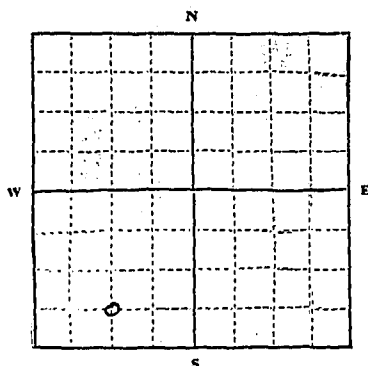
County—Garfield

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 6 1964  
STATE ENGINEER

Declaration of Vested Groundwater Rights  
(Under Chapter 237, Montana Session Laws, 1961)

1. Hooker Cattle Co., of Jordan  
(Name of Appropriator) (Address) (Town)  
County of Garfield State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S. 1/4 Sec. 10 T. 16 R. 35  
Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based Stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been August 25, 1949  
12 months a year
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
none
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Windmill or gas motor
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater August 25, 1949
8. The depth of water table 35 ft.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 100 ft. deep 6 inch casing Cased to the bottom
10. The estimated amount of groundwater withdrawn each year 365,000 gallons
11. The log of formations encountered in the drilling of each well if available Not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none

Signature of Owner

Date December 26, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

23538

622

125281

STATE OF MONTANA }  
County of Cascade }

Filed in the \_\_\_\_\_ County Clerk and  
Recorder of Cassia \_\_\_\_\_ of Montana,  
this \_\_\_\_\_ 31 \_\_\_\_\_ Dec

A. D. 1962 \_\_\_\_\_ 1st \_\_\_\_\_ A. M.

*Wm. J. [Signature]*  
County Clerk and Recorder

By *Marvin R. [Signature]*  
Deputy

Fee Paid \$ 2.00

INDEXED *[Signature]*

FILED *[Signature]*

G

File No. ....

T. 16 N. R. 35

DUPLICATE

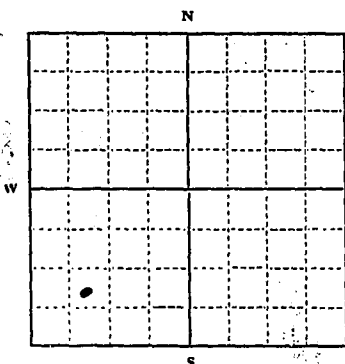
County Garfield

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 6 1964

Declaration of Vested Groundwater Rights  
(Under Chapter 237, Montana Session Laws, 1961)

1. Hooker Cattle Co., of Jordan  
(Name of Appropriator) (Address) (Town)  
County of Garfield State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S. 4, 1/4, Sec. 14, T. 16, R. 35

Indicate point of appropriation  
and place of use, if possible. Each  
small square represents 10 acres.

2. The beneficial use on which the claim is based Stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been June 14, 1955
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof none
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Windmill or gas meter
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater June 14, 1955
8. The depth of water table 297 ft.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 303 ft., 4 inch casing, Cased to the bottom
10. The estimated amount of groundwater withdrawn each year 200,000 gallons per year
11. The log of formations encountered in the drilling of each well if available not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none

Signature of Owner .....

Date December 26, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

23539

623

125282

STATE OF MONTANA }  
County of C. 2nd }

Filed in the \_\_\_\_\_ of the County Clerk and  
Recorder of Garfield County, State of Montana.  
this 31 day of April

A. D. 1963 at 10<sup>02</sup> o'clock A.M.

Charles E. Pangburn  
County Clerk and Recorder

By Marvin K. Lamer  
Deputy

Fee Paid \$ 2.00

EXEMPTED mf  
FILED exp

File No. ....

T. 16 N R. 35 E

DUPLICATE

County Garfield

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

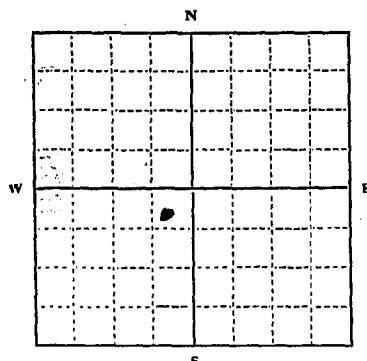
RECEIVED  
JAN 6 1964

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Hooker Cattle Co. of Jordan  
(Name of Appropriator) (Address) (Town)

County of Garfield State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N. E. 1/4 S. W. Sec. 17 T. 16 R. 35

Indicate point of appropriation  
and place of use, if possible. Each  
small square represents 10 acres.

2. The beneficial use on which the claim is based Stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Aug. 15, 1949
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
none
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric motor and pump-jack
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Aug. 15, 1949
8. The depth of water table 110 ft.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 220 ft. deep and 6 inch casing Cased to the bottom
10. The estimated amount of groundwater withdrawn each year 650,000 gallons per year
11. The log of formations encountered in the drilling of each well if available not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none

Signature of Owner

Date Dec. 26, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

23544

628

125287

STATE OF MONTANA }  
County of Garfield

Filed in the office of the County Clerk and  
Recorder of Garfield County, State of Montana,  
this 31 day of Dec

A. D. 1913 at 10<sup>00</sup> o'clock A. M.

Chara E. Langhorne  
County Clerk and Recorder

By Marion R. Jensen  
Deputy

Fee Paid \$ 2.00

INDEXED mt  
FILED cap

File No. ....

T. 16 N. R. 35 E.

DUPLICATE

County Garfield

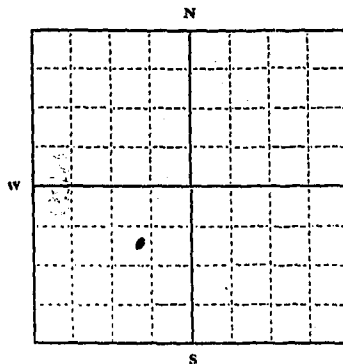
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 6 1964

**Declaration of Vested Groundwater Right ENGINEER**

(Under Chapter 237, Montana Session Laws, 1961)

1. Hooker Cattle Co., of Jordan  
(Name of Appropriator) (Address) (Town)  
County of Garfield State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N. E. 1/4 S. 4. Sec. 18. T. 16. R. 35.

Indicate point of appropriation  
and place of use, if possible. Each  
small square represents 10 acres.

2. The beneficial use on which the claim is based Stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Aug. 10, 1949
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof none
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Windmill or gas motor
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Aug. 10, 1949
8. The depth of water table 90 ft.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 110 ft. deep 6 inch casing Cased to the bottom
10. The estimated amount of groundwater withdrawn each year 365,000 gallons per year
11. The log of formations encountered in the drilling of each well if available not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none

Signature of Owner

Date December 26, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

23545

629

125288

STATE OF MONTANA }  
County of Garfield

Filed in the office of the County Clerk and  
Recorder of Garfield County, State of Montana,  
this 31 day of April

A. D. 1910 at 10 o'clock A.M.

Charles E. Thompson  
County Clerk and Recorder

By Marion H. Jones  
Deputy

Fee Paid \$ 2.00

mf  
INDEXED  
FILED Clay

File No. ....

T. 16 N R. 35 E

DUPLICATE

County Garfield

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

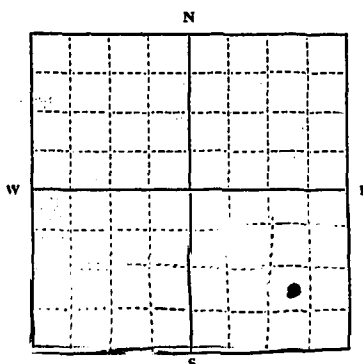
RECEIVED  
JAN 8 1964  
STATE ENGINEER

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Hooker Cattle Co., of Jordan  
(Name of Appropriator) (Address) (Town)

County of Garfield State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S. 4 E. Sec. 24. T. 16. R. 35

Indicate point of appropriation  
and place of use, if possible. Each  
small square represents 10 acres.

2. The beneficial use on which the claim is based Stock water

3. Date or approximate date of earliest beneficial use and how continu-  
ous the use has been July 10, 1958

4. The amount of groundwater claimed (in miner's inches or gallons  
per minute) 10 gallons per minute

5. If used for irrigation, give average and description of the lands  
to which water has been applied and name of the owner thereof  
none

6. The means of withdrawing such water from the ground and the loca-  
tion of each well or other means of withdrawal windmill or gas-  
meter

7. The date of commencement and completion of the construction of the well, well, or other works for with-  
drawal of groundwater July 10, 1958

8. The depth of water table 335 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other  
works for the withdrawal of groundwater 350 ft. deep, 4 inch casing, Cased to the bottom

10. The estimated amount of groundwater withdrawn each year 200,000 per year

11. The log of formations encountered in the drilling of each well if available not available

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including  
reference to book and page of any county record none

Signature of Owner

Date December 26, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of  
Mines and Geology, and Quadruplicate for the Appropriator.

23540

E 624

125283

STATE OF MONTANA }  
County of Garfield

Filed in the office of the County Clerk and  
Recorder of Garfield County, State of Montana,  
this 31 day of Dec

A. D. 1903 at 10<sup>00</sup> o'clock A.M.

Charles E. Langham  
County Clerk and Recorder

By Marshall James  
Deputy

Fee Paid \$ 2.00

INDEXED

FILED

File No. ....

T. 16 N. R. 35 E 28

DUPLICATE

County. Garfield

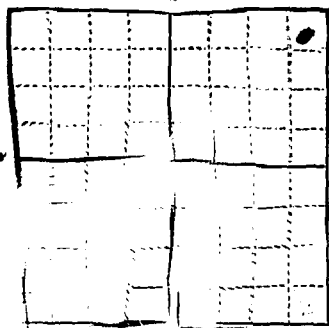
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 6 1964  
STATE ENGINEER

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Hooker Cattle Co., of Jordan  
(Name of Appropriator) (Address) (Town)  
County of Garfield State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N. 2 1/4 N. E. Sec. 26. T. 16. R. 35.

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based. Stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. July 12, 1956
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
none
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Electric pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. July 12, 1956
8. The depth of water table. 60 ft.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. 80 ft. deep 4 inch casing Cased to the bottom
10. The estimated amount of groundwater withdrawn each year. 300,000 gallons per year
11. The log of formations encountered in the drilling of each well if available. not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. none

Signature of Owner John R. Hooker

Date December 26, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

23543

627

125286

STATE OF MONTANA }  
County of Garfield

Filed in the office of the County Clerk and  
Recorder of Garfield County, State of Montana,  
this 31 day of Dec

A. D. 1963 at 10:00 o'clock A.M.

Charles E. Pangburn  
County Clerk and Recorder

By Marion R. Danner  
Deputy

Fee Paid \$ 2.00

RECEIVED

FILED

File No. ....

T.16 <sup>n</sup> R.34 <sup>SE</sup> 30

DUPLICATE

County Garfield

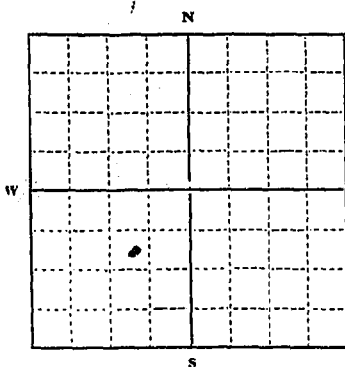
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 6 1964

Declaration of Vested ~~Groundwater~~ <sup>Water</sup> Rights STATE ENGINEER

(Under Chapter 237, Montana ~~MINERAL~~ <sup>WATER</sup> LAW, 1961)

1. Hooker Cattle Co. of Jordan  
(Name of Appropriator) (Address) (Town)  
County of Garfield State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N.E. 1/4, Sec. 30, T.16, R.35

Indicate point of appropriation  
and place of use, if possible. Each  
small square represents 10 acres.

2. The beneficial use on which the claim is based Stock water
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Sept. 10, 1952
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 30 gallon per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof none
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Windmill or gas motor

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Sept. 10, 1952
8. The depth of water table 53 ft.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 65 ft. deep Six in. casing Cased to the bottom
10. The estimated amount of groundwater withdrawn each year 650,000 gallons per year
11. The log of formations encountered in the drilling of each well if available not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none

Signature of Owner

Date Dec. 25, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of  
Mines and Geology, and Quadruplicate for the Appropriator.

23547

631

125290

STATE OF MONTANA }  
County of Garfield }

Filed in the office of the County Clerk and  
Recorder of Garfield County, State of Montana,  
this 31 day of Dec

A. D. 1913, at 10<sup>00</sup> o'clock A.M.

Charles E. Vandenberg  
County Clerk and Recorder

By Marian C. James  
Deputy

Fee Paid \$ 2.00

INDEXED mf  
FILED Ces

## GROUNDWATER INDEX

Page 1 of 1

County Garfield Twp. 16.7 Rge. 36E

[illegible]

GV

Approved Stock Form—State Publishing Co., Helena, Montana—41921

File No. \_\_\_\_\_

T. 16<sup>N</sup> R. 36<sup>E</sup>

DUPLICATE

County. Garfield

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

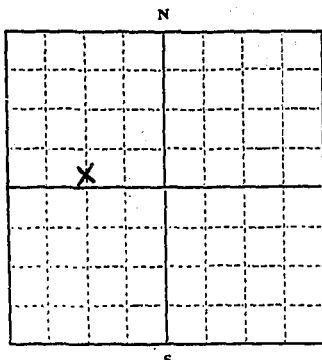
RECEIVED  
DEC 23 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Wm Dutton, of Jordan, Mont.  
(Name of Appropriator) (Address) (Town)  
County of Garfield State of Mont.  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



$\frac{1}{4}$  Sec. 4 T. 16 R. 36

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based. Stock + home

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. June, 1956  
all the time

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 15 gal / minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. Garden + yard

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Submergible electric pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. June 27, 1956

8. The depth of water table. 40 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. drilled 4 inch, 150 feet

10. The estimated amount of groundwater withdrawn each year. 730 000 gal

11. The log of formations encountered in the drilling of each well if available. 10 to 20 surface soil, 20 to 50 gravel + coal

50 to 100 blue shale, 100 to 105 rock, 105 to 150 sand

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

The main stream of water was under the rock at 105' the surface water is sealed off

Signature of Owner Wm Dutton

Date Dec 16, 63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

11435

156

121724

STATE OF MONTANA }  
County of Garfield }

Filed in the office of the County Clerk and  
Recorder of Garfield County, State of Montana,  
this 16 day of Dec

A. D. 1963 at 10:30 o'clock P. M.

Charles R. Thompson  
County Clerk and Recorder

By Marion R. James  
Deputy

Fee Paid \$ 2.00

mj  
cap  
INDEXED  
FILED

File No. ....

Sec. 5 T.16 N. R. 36 E

DUPLICATE

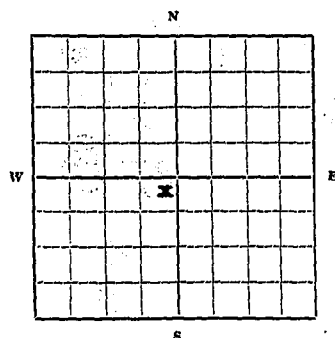
County Garfield

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

**Declaration of Vested Groundwater Rights**  
(Under Chapter 237, Montana Session Laws, 1961)

**RECEIVED**  
JAN 6 1964  
**STATE ENGINEER**

1. T. J. HOVELAND of Jordan  
(Name of Appropriator) (Address) (Town)  
County of Garfield State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec. 5 T.16 N. R. 36 E

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based household, irrigation, and other domestic purposes.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1953 and continuously since that time.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) approximately 5 gallons per minute.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof approximately one-fourth of an acre within the NE 1/4 Sec. 5, T.16 N. R. 36 E., owner T. J. Hoveland.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal electric jet pump.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater July, 1953.
8. The depth of water table 60 feet.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater drilled water well, 4 inch casing, 1 inch copper pipe; depth 120 feet.
10. The estimated amount of groundwater withdrawn each year 500,000 gallons per year.
11. The log of formations encountered in the drilling of each well if available Not available.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Not available.

Signature of Owner

Date December 31, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

23529

613

125272

STATE OF MONTANA }  
County of Garfield

Filed in the office of the County Clerk and  
Recorder of Garfield County, State of Montana,

this 31 day of Dec.  
A. D. 1963 at 4:52 o'clock A. M.

Charles E. DeLong  
County Clerk and Recorder

By Marian R. James  
Deputy

Fee Paid \$ 2.00

INDEXED mj  
FILED Ch

File No. ....

DUPLICATE

T. 16 N. R. 36 E.

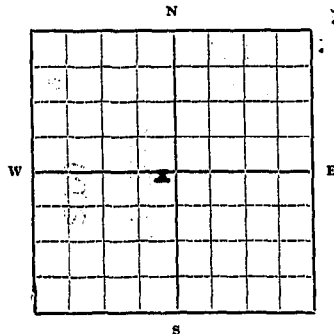
County Garfield

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 6 1964

**Declaration of Vested Groundwater Rights**  
(Under Chapter 237, Montana Session Laws, 1961)

1. T. J. Hoveland, of Jordan,  
(Name of Appropriator) (Address) (Town)  
County of Garfield State of Montana,  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec. 5, T. 16 N. R. 36 E.

Indicate point of ~~use~~ irrigation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based stockwater well
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1961 and continuously since drilled
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof not used for irrigation
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal red jacket pump with electric motor
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater June, 1961
8. The depth of water table 60 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater drilled water well, 4 inch casing, 1 1/2 inch pipe, depth of 120 feet
10. The estimated amount of groundwater withdrawn each year 750,000 gallons per year
11. The log of formations encountered in the drilling of each well if available Not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Not available

Signature of Owner T. J. Hoveland

Date December 31, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

23528

612  
125271

STATE OF MONTANA }  
County of Garfield }

Filed in the office of the County Clerk and  
Recorder of Garfield County, State of Montana,  
this 31 day of Dec:

A. D. 1963 at 9:51 o'clock P. M.  
James E. Thompson  
County Clerk and Recorder

By Marion R. James  
Deputy

Fee Paid \$ 2.00

Michael  
W. J.

File No. ....

DUPLICATE

T16N R 36E

County Garfield

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 6 1964

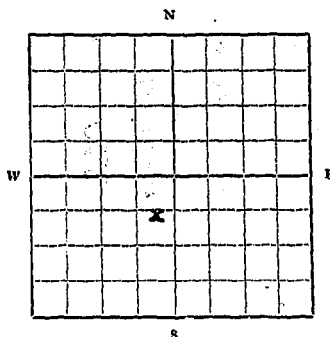
**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. T. J. Howland, of Jordan,  
(Name of Appropriator) (Address) (Town)

County of Garfield State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



2. 1/4 Sec. 5 T16N R 36E

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Stockwater well

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1953 and continuously since drilled

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 2 1/2 gallons per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof not used for irrigation

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal red jacket pump with electric motor

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater July 1953

8. The depth of water table 15 feet;

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater drilled water well, 4 inch casing, 1 1/2 inch pipe, depth 60 feet.

10. The estimated amount of groundwater withdrawn each year 350,000 gallons per year

11. The log of formations encountered in the drilling of each well if available Not available

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Not available

Signature of Owner T. J. Howland

Date December 31, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state; otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and Quadruplicate for the Appropriator.

23527

611  
125270

STATE OF MONTANA }  
County of Garfield }

Filed in the office of the County Clerk and  
Recorder of Garfield County, State of Montana,  
this 31 day of Dec

A. D. 1963 at 9:50 clock A. M.

Harold E. Poyner  
County Clerk and Recorder

By Marion L. Poyner  
Deputy

Fee Paid \$ 2.00

mf  
RECORDED  
cl  
INDEXED

File No. ....

DUPLICATE

T 36 N. R 36 E.

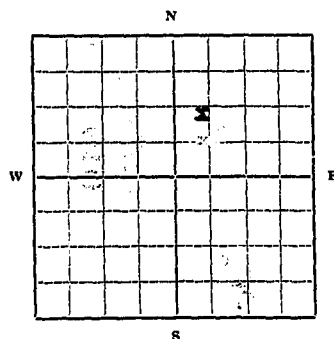
County Garfield

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 8 1964

Declaration of Vested Groundwater Rights STATE ENGINEER  
(Under Chapter 237, Montana Session Laws, 1961)

1. T. J. Heyland of Jordan,  
(Name of Appropriator) (Address) (Town)  
County of Garfield State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 NE 1/4 Sec. 5 T 16 N R 36 E

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based stockwater well
3. Date or approximate date of earliest beneficial use; and how continuous the use has been in the 1920s' by former owners, and has been used continuously since by former owners and myself.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof used entirely for stock water
6. The ~~means~~ of withdrawing such water from the ground and the location of ~~the~~ well or other means of withdrawal by pump, also electric motor
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater unknown
8. The depth of water table 16 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater drilled water well, 4 inch casing, 1 1/2 inch pipe, 100 feet in depth.
10. The estimated amount of groundwater withdrawn each year 750,000 gallons per year
11. The log of formations encountered in the drilling of each well if available Not available.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Not available

Signature of Owner T. J. Heyland

Date December 31, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

23526

610  
125269

STATE OF MONTANA }  
County of Cascade }

Filed to the \_\_\_\_\_ of the County Clerk and  
Recorder of Cascade County, State of Montana,  
this 31 day of Dec

A. D. 1913 at 9:45 o'clock A. M.

Chas. E. Langhorne  
County Clerk and Recorder

By Harold L. Daniel  
Deputy

Fee Paid \$ 2.00

INDEXED [Signature]  
FILED [Signature]

File No. \_\_\_\_\_

DUPLICATE

T. 15<sup>N</sup> R. 26<sup>E</sup>County Garfield

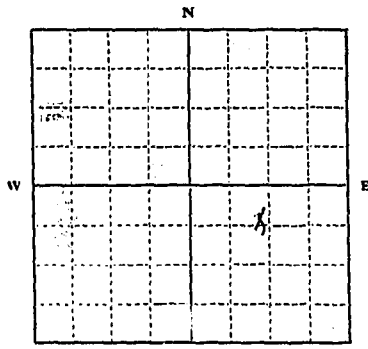
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 6 1964

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Fred Edwards, of Jordan  
(Name of Appropriator) (Address) (Town)  
County of Garfield State of Mont.  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 Sec. 8 T. 16 R. 36

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based. Stock use
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. unknown
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. none
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Electric Pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. unknown
8. The depth of water table. 80'
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. 190 depth 4" casing
10. The estimated amount of groundwater withdrawn each year. 100000
11. The log of formations encountered in the drilling of each well if available. not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. none

Signature of Owner

Date

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

23562